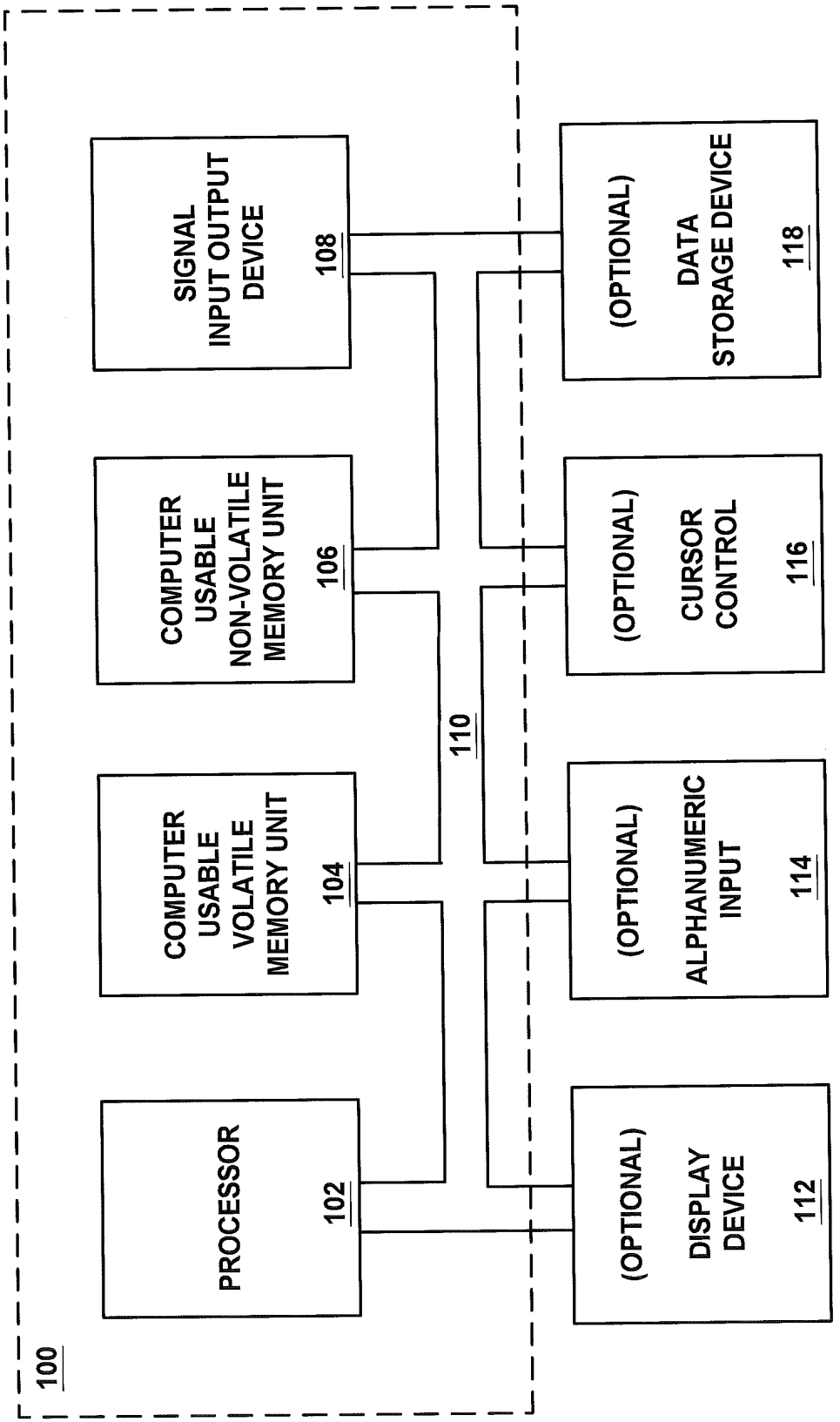
100
PROCESSOR
102
COMPUTER USABLE VOLATILE MEMORY UNIT
104
COMPUTER USABLE NON-VOLATILE MEMORY UNIT
106
SIGNAL INPUT OUTPUT DEVICE
108
110
(OPTIONAL) DISPLAY DEVICE
112
(OPTIONAL) ALPHANUMERIC INPUT
114
(OPTIONAL) CURSOR CONTROL
116
(OPTIONAL) DATA STORAGE DEVICE
118

FIGURE 1

50

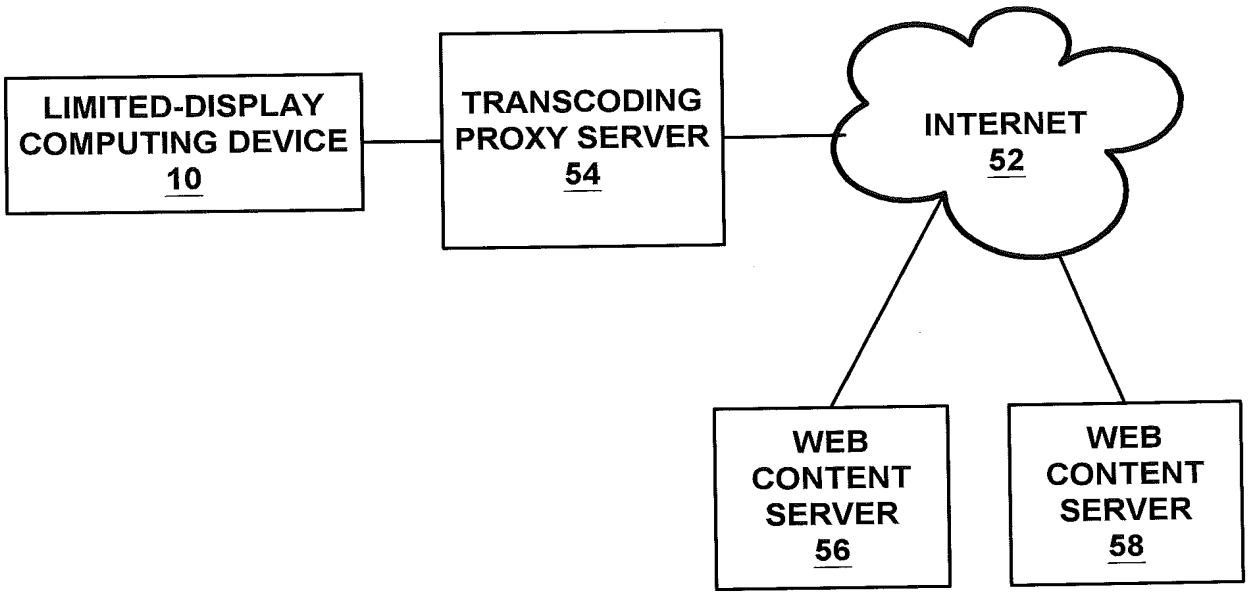
LIMITED-DISPLAY COMPUTING DEVICE
10
TRANSCODING PROXY SERVER
54
INTERNET
52
WEB CONTENT SERVER
56
WEB CONTENT SERVER
58

FIGURE 2

50a

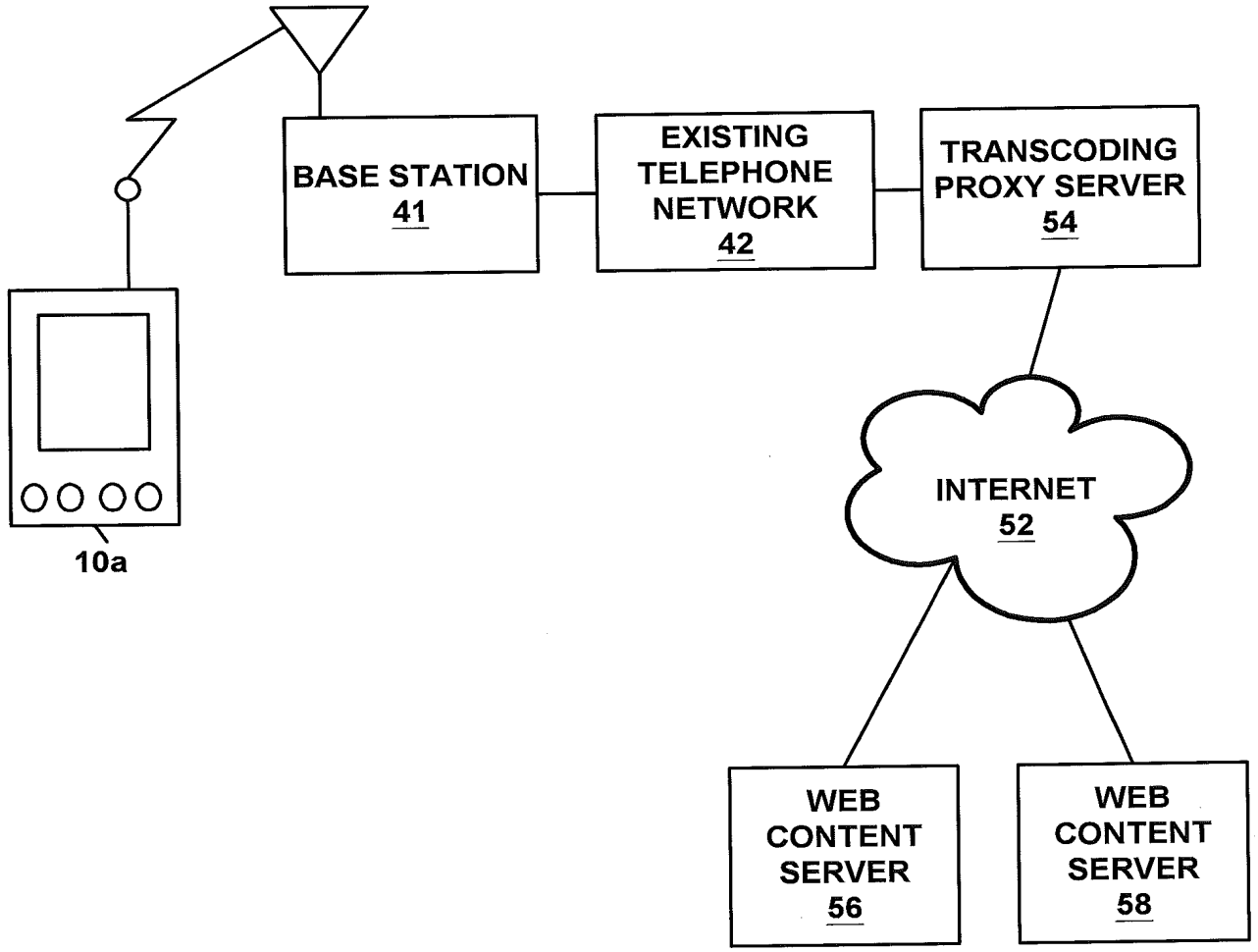
BASE STATION
41
EXISTING
TELEPHONE
NETWORK
42
TRANSCODING
PROXY SERVER
54
INTERNET
52
WEB
CONTENT
SERVER
56
WEB
CONTENT
SERVER
58
10a

FIGURE 3

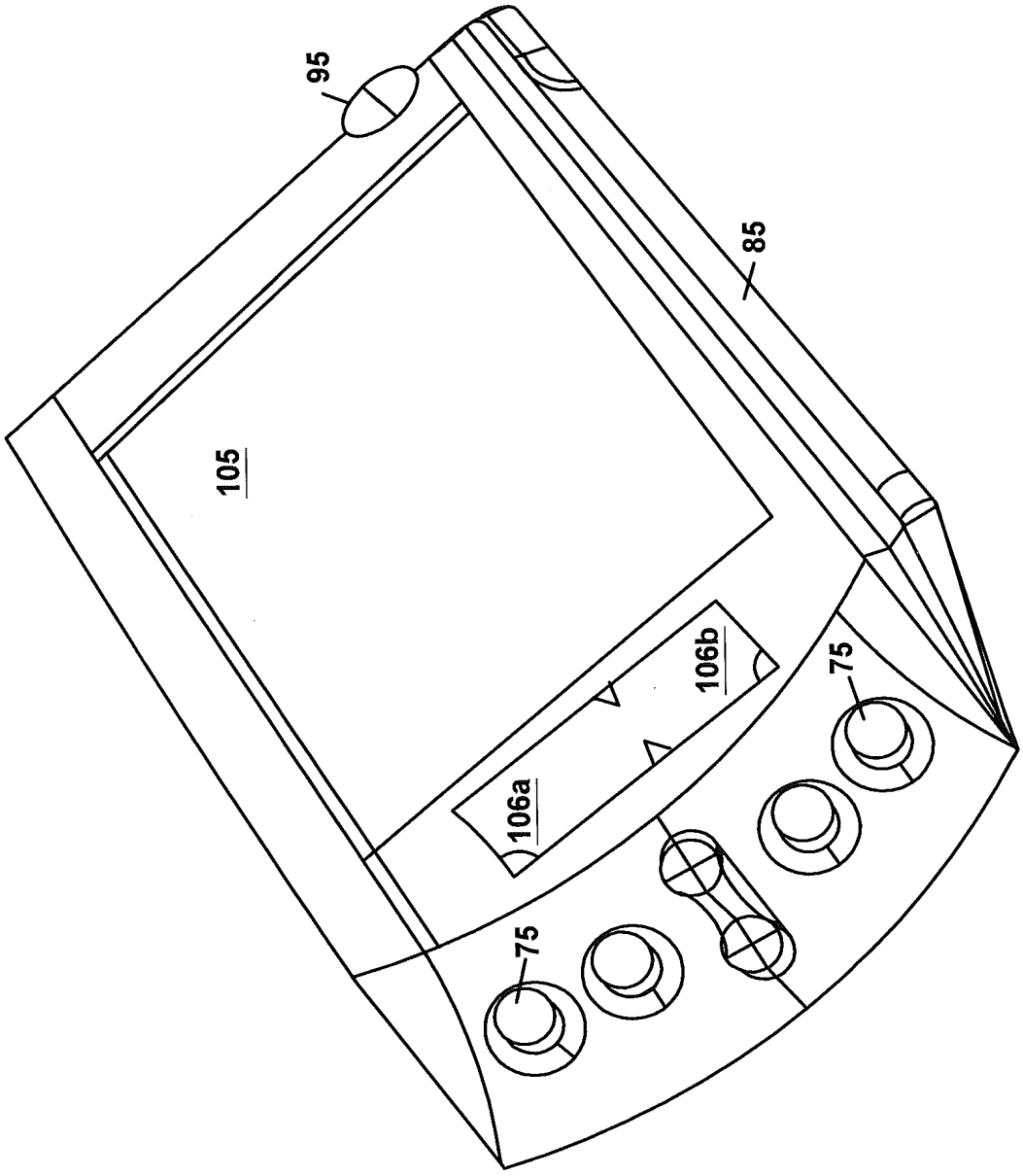

FIGURE 4

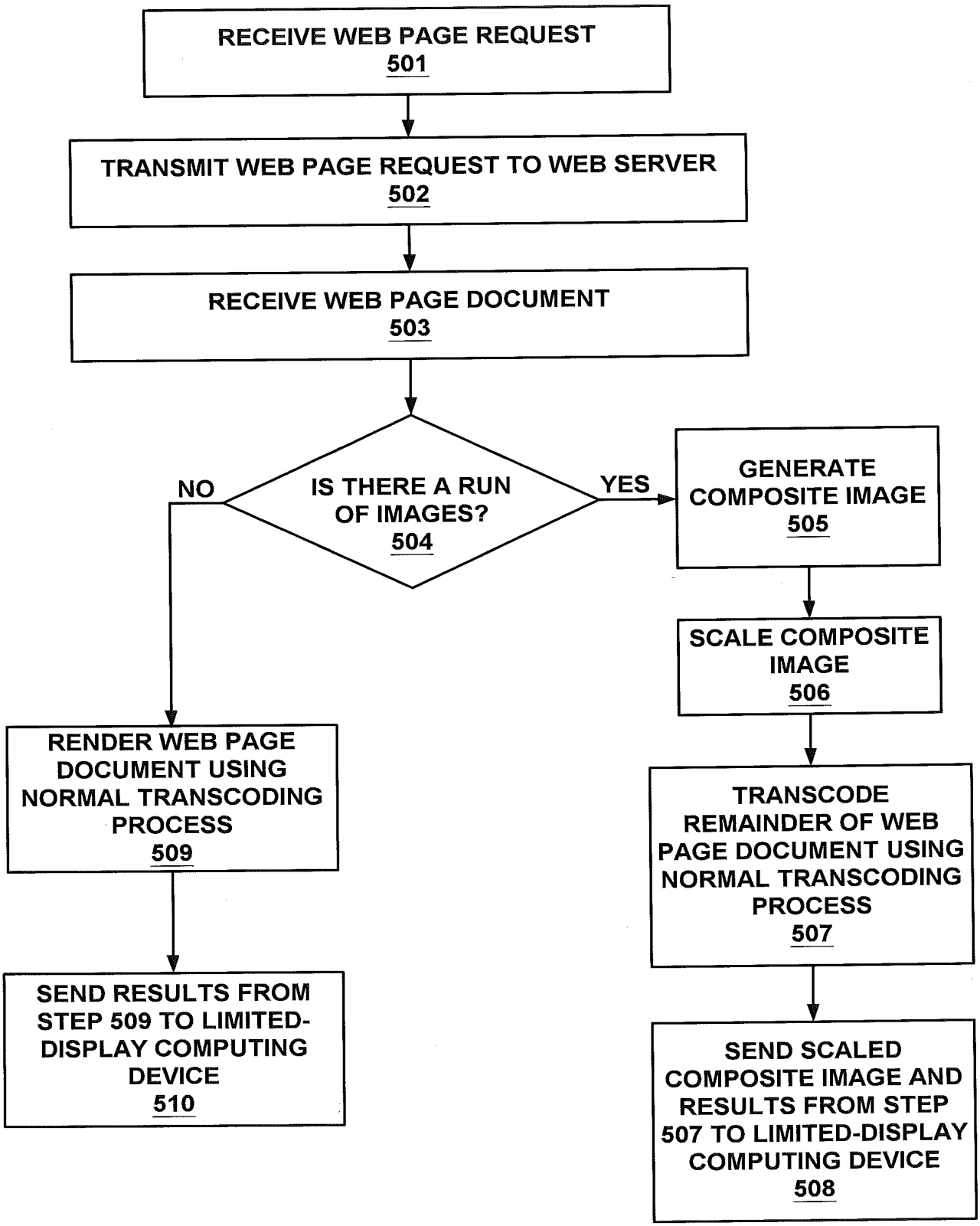
RECEIVE WEB PAGE REQUEST
501
TRANSMIT WEB PAGE REQUEST TO WEB SERVER
502
RECEIVE WEB PAGE DOCUMENT
503
IS THERE A RUN OF IMAGES?
504
NO
YES
GENERATE COMPOSITE IMAGE
505
SCALE COMPOSITE IMAGE
506
TRANSCODE REMAINDER OF WEB PAGE DOCUMENT USING NORMAL TRANSCODING PROCESS
507
SEND SCALED COMPOSITE IMAGE AND RESULTS FROM STEP 507 TO LIMITED-DISPLAY COMPUTING DEVICE
508
RENDER WEB PAGE DOCUMENT USING NORMAL TRANSCODING PROCESS
509
SEND RESULTS FROM STEP 509 TO LIMITED-DISPLAY COMPUTING DEVICE
510

FIGURE 5

600

OPENSSL

602

- TITLE
- FAQ
- ABOUT
- NEWS
- DOCUMENTS
- SOURCE
- CONTRIBUTION
- SUPPORT
- RELATED

603

WELCOME TO OPENSSL PROJECT

THE OPENSSL PROJECT IS A COLLABORATIVE EFFORT TO DEVELOP A ROBUST, COMMERCIAL-GRADE, FULL-FEATURED, AND OPEN SOURCE TOOLKIT IMPLEMENTING THE SECURE SOCKETS LAVER (SSLv2/v3) AND TRANSPORT LAVER SECURITY (TLS v1) PROTOCOLS AS WELL AS A FULL-STRENGTH GENERAL PURPOSE CRYPTOGRAPHY LIBRARY. THE PROJECT IS MANAGED BY A WORLDWIDE COMMUNITY OF VOLUNTEERS THAT USE THE INTERNET TO COMMUNICATE, PLAN AND DEVELOP THE OPENSSL TOOLKIT AND ITS RELATED DOCUMENTATION.

OPENSSL IS BASED ON THE EXCELLENT SSLEAY LIBRARY DEVELOPED BY ERIC A. YOUNG AND TIM J. HUDSON. THE OPENSSL TOOLKIT IS LICENSED UNDER AN APACHE-STYLE LICENSE, WHICH BASICALLY MEANS THAT YOU ARE FREE TO GET AND USE IT FOR COMMERCIAL AND NON-COMMERCIAL PURPOSES SUBJECT TO SOME SIMPLE LICENSE CONDITIONS.

610

WHY BUY AN **SSL** TOOLKIT AS A BLACK-BOX WHEN YOU CAN GET AN **OPEN** ONE FOR **FREE**?

DATE	NEWSFLASH
04-NOV-2000:	NEW DEVELOPMENT TEAM MEMBER: LUTZ JAENICKE
24-SEP-2000:	OPENSSL 0.9.6 IS NOW AVAILABLE, A MAJOR RELEASE
21-SEP-2000:	BETA 3 OF OPENSSL 0.9.6 IS NOW AVAILABLE, PLEASE TEST IT NOW
21-SEP-2000:	BETA 3 OF OPENSSL 0.9.6 IS NOW AVAILABLE, PLEASE TEST IT NOW
17-SEP-2000:	BETA 2 OF OPENSSL 0.9.6 IS NOW AVAILABLE, PLEASE TEST IT NOW

604

MORE

FIGURE 6

THIS SOFTWARE PACKAGE USES STRONG CRYPTOGRAPHY, SO EVEN IF IT IS CREATED, MAINTAINED AND DISTRIBUTED FROM LIBERAL COUNTRIES IN EUROPE (WHERE IT IS LEGAL TO DO THIS), IT FALLS UNDER CERTAIN EXPORT/IMPORT AND/OR USE RESTRICTIONS IN SOME OTHER PARTS OF THE WORLD.

PLEASE REMEMBER THAT EXPORT/IMPORT AND/OR USE OF STRONG CRYPTOGRAPHY SOFTWARE, PROVIDING CRYPTOGRAPHY HOOKS OR EVEN JUST COMMUNICATING TECHNICAL DETAILS ABOUT CRYPTOGRAPHY SOFTWARE IS ILLEGAL IN SOME PARTS OF THE WORLD. SO, WHEN YOU IMPORT THIS PACKAGE TO YOUR COUNTRY, RE-DISTRIBUTE IT FROM THERE OR EVEN JUST MAIL TECHNICAL SUGGESTIONS OR EVEN SOURCE PATCHES TO THE AUTHOR OR OTHER PEOPLE YOU ARE STRONGLY ADVISED TO PAY CLOSE ATTENTION TO ANY EXPORT/IMPORT AND/OR USE LAWS WHICH APPLY TO YOU. THE AUTHORS OF OPENSSL ARE NOT LIABLE FOR ANY VIOLATIONS YOU MAKE HERE. SO BE CAREFUL, IT IS YOUR RESPONSIBILITY.

CREDIT INFORMATION: THIS PRODUCT INCLUDES CRYPTOGRAPHIC SOFTWARE WRITTEN BY ERIC A. YOUNG (EAY@CRYPTSOFT.COM). THIS PRODUCT INCLUDES SOFTWARE WRITTEN BY TIM J. HUDSON (TJH@CRYPTSOFT.COM).

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THIS WEBSITE IS SERVED BY AN APACHE WEB SERVER ENVIRONMENT.
HARDWARE AND BANDWIDTH PROVIDED BY DEPARTMENT OF ELECTRICAL ENGINEERING OF SWISS FEDERAL INSTITUTE OF TECHNOLOGY, ZURICH.

FIGURE 6(CONT.)

FIGURE 7A

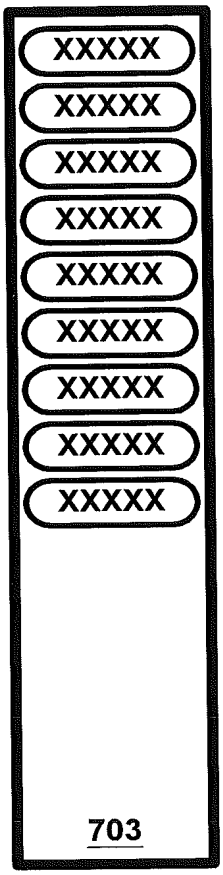

FIGURE 7B

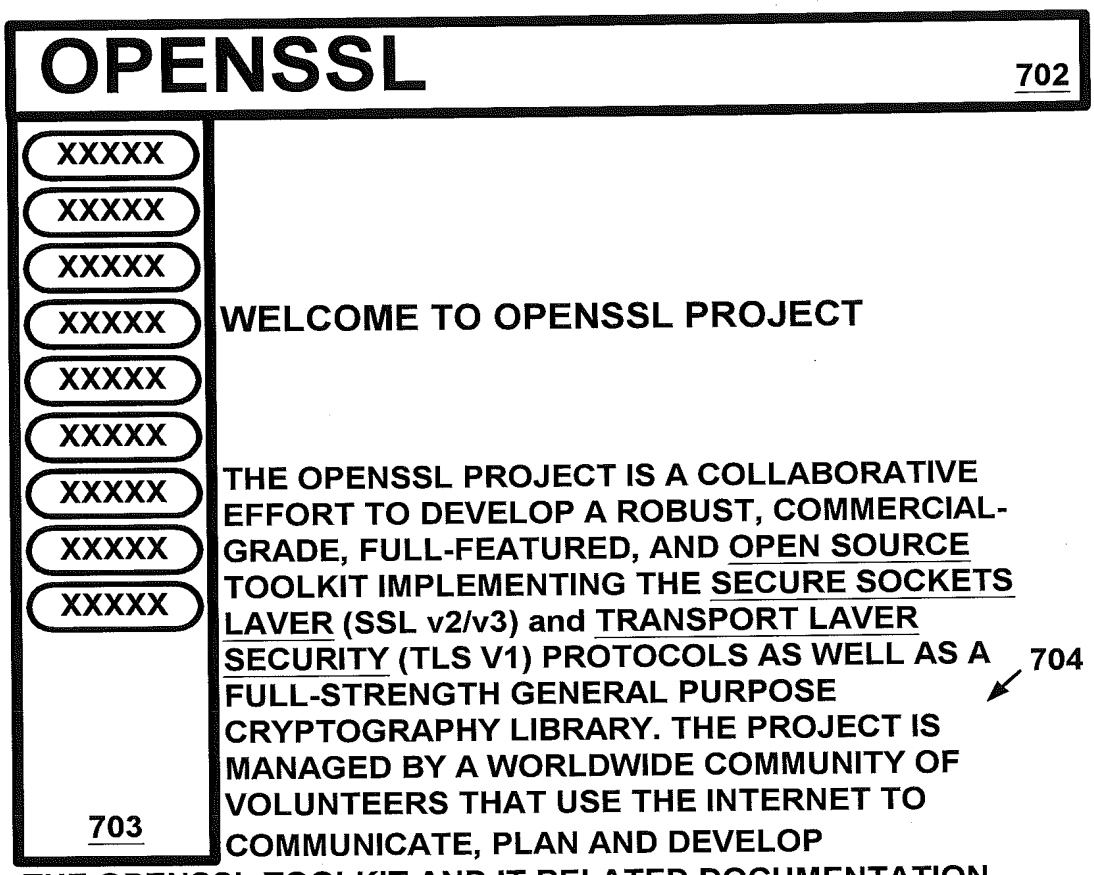
OPENSSL
702
XXXXX
XXXXX
XXXXX
XXXXX
XXXXX
XXXXX
XXXXX
XXXXX
XXXXX
703
WELCOME TO OPENSSL PROJECT
THE OPENSSL PROJECT IS A COLLABORATIVE EFFORT TO DEVELOP A ROBUST, COMMERCIAL-GRADE, FULL-FEATURED, AND OPEN SOURCE TOOLKIT IMPLEMENTING THE SECURE SOCKETS LAVER (SSL v2/v3) and TRANSPORT LAVER SECURITY (TLS V1) PROTOCOLS AS WELL AS A FULL-STRENGTH GENERAL PURPOSE CRYPTOGRAPHY LIBRARY. THE PROJECT IS MANAGED BY A WORLDWIDE COMMUNITY OF VOLUNTEERS THAT USE THE INTERNET TO COMMUNICATE, PLAN AND DEVELOP THE OPENSSL TOOLKIT AND IT RELATED DOCUMENTATION.
704
OPEN SSL IS BASED ON THE EXCELLENT SSLEAY LIBRARY DEVELOPED ERIC A. YOUNG AND TIM J. HUDSON. THE OPENSSL TOOLKIT IS LICENSED UNDER AN APACHE-STYLE LICENSED, WHICH BASICALLY MEANS

FIGURE 8

900

```
<table width = "100%" cellspacing = "0" cellpadding = "0" border = "0">
   <tr>
      <td align = "left" width = "100"  bgcolor = "#666699"><img src = "images/page-head-tl.jpg" alt = "OpenSSL" width
      = "100" height = "80"></td>
      <td align = "left" colspan = "2" width = "600" bgcolor = "#666699"><img src = "images/page-head-tm.jpg" alt
      ="" width = "600" height = "80"></td<
      <td align = "right" width = "20" bgcolor = "#666699"></td>
      <td align = "right" width = "50" bgcolor = "#666699"></td>
   </tr>
   <tr>
      <td align = "left" width = "100"><img src = "images/page-head-bl.jpg" alt= "" width = "100" height = "20"></td>
      <td align ="left" width = "20"><img src="images/page-head-bm.jpg" alt = "" width = "20" height ="20"></td>
      <td align = "left" width = "100%" bgcolor = "#ffffff"></td
      <td align = "right" width ="20"><img src = "images/page-corner-tr.gif" alt = "" width = "20" height = "20"></td>
      <td align = "right" width = "50" bgcolor = "#666699"></td>
   </tr>
...
```

902 903 904 905 906 901

11/12

FIGURE 9

900

```
function nb_imgOver(imgName, descript) {
    if (document.images) {
        document[imgName].src = eval(imgName + "_o.src");
        self.status = descript;
    }
}
if (document.images) {
    nb_img_FAQ_n = new Image();
    nb_img_FAQ_n.src = "images/page-navbar-fq-n.jpg";
    nb_img_FAQ_o = new Image();
    nb_img_FAQ_o.src = "images/page-navbar-fq-s.jpg";
    nb_img_about_n = new Image();
    nb_img_about_n.src = "images/page-navbar-ab-n.jpg";
    nb_img_about_o = new Image();
    nb_img_about_o.src = "images/page-navbar-ab-s.jpg";
    nb_img_news_n = new Image();
    nb_img_news_n.src = "images/page-navbar-ne-n.jpg";
    nb_img_news_o = new Image();
    nb_img_news_o.src = "images/page-navbar-ne-s.jpg";
    nb_img_docs_n = new Image();
    nb_img_docs_n.src = "images/page-navbar-do-n.jpg";
    nb_img_docs_o = new Image();
    nb_img_docs_o.src = "images/page-navbar-do-s.jpg";
    nb_img_source_n = new Image();
    nb_img_source_n.src = "images/page-navbar-so-n.jpg";
    nb_img_source_o = new Image();
    nb_img_source_o.src = "images/page-navbar-so-s.jpg";
    nb_img_contrib_n = new Image();
    nb_img_contrib_n.src = "images/page-navbar-co-n.jpg";
    nb_img_contrib_o = new Image();
    nb_img_contrib_o.src = "images/page-navbar-co-s.jpg";
    nb_img_support_n = new Image();
    nb_img_support_n.src = "images/page-navbar-su-n.jpg";
    nb_img_support_o = new Image();
    nb_img_support_o.src = "images/page-navbar-su-s.jpg";
    nb_img_related_n = new Image();
    nb_img_related_n.src = "images/page-navbar-re-n.jpg";
    nb_img_related_o = new Image();
    nb_img_related_o.src = "images/page-navbar-re-s.jpg";
```

940

942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957

FIGURE 10